

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/573,718
Source: IFWP
Date Processed by STIC: 4/6/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/573, 718

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "**n**" can **only** represent a single nucleotide; "**Xaa**" can **only** represent a single amino acid



IFWP

RAW SEQUENCE LISTING

DATE: 04/06/2006

PATENT APPLICATION: US/10/573,718

TIME: 11:00:12

Input Set : A:\08917-116US1 Seq_List.txt

Output Set: N:\CRF4\04062006\J573718.raw

3 <110> APPLICANT: Toraya, Tetsuo
 4 Tobimatsu, Takamasa
 5 Yamanishi, Mamoru
 6 Mori, Kouichi
 7 Kajiura, Hideki
 8 Yamada, Seiki
 9 Yuzuki, Michio
 10 Azuma, Muneaki
 11 Hara, Tetsuya
 12 Yasuda, Shinzo
 14 <120> TITLE OF INVENTION: Method for Production of 3-hydroxypropionaldehyde
 16 <130> FILE REFERENCE: 08917-116US1
 C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/573,718
 C--> 18 <141> CURRENT FILING DATE: 2006-03-27
 18 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/014213
 19 <151> PRIOR FILING DATE: 2004-09-29
 22 <150> PRIOR APPLICATION NUMBER: JP 2003-337663
 23 <151> PRIOR FILING DATE: 2003-09-29
 25 <160> NUMBER OF SEQ ID NOS: 4
 27 <170> SOFTWARE: PatentIn version 3.1
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 7183
 31 <212> TYPE: DNA
 32 <213> ORGANISM: plasmid pBR322
 34 <400> SEQUENCE: 1
 35 acgttatcga ctgcacggtg caccaatgct tctggcgctca ggcagccatc ggaagctgtg 60
 37 gtatggctgt gcaggctgta aatcactgca taattcgtgt cgctcaaggc gcaactccgt 120
 39 tctggataat gttttttgcg ccgacatcat aacggttctg gcaaatttc tgaaatgagc 180
 41 tgttgacaat taatcatcgg ctctgtataat gtgtggaatt gtgagcggat aacaatttca 240
 43 cacaggaaac agtacatatg agatcgaaaa gatttgaagc actggcgaaa cgccctgtga 300
 45 atcaggacgg ctctgttaag gagtggatcg aagaaggctt tatcgcgatg gaaagcccga 360
 47 acgacccaaa accgtcgatt aaaatcgtaa acggcgcggt gaccgagctg gacgggaaac 420
 49 cggtaagcga ttttgacctg atcgaccact ttatcgcccg ctacgggtatc aacctgaacc 480
 51 gcgcgcgaaga agtgatggcg atggattcgg tcaagctggc caacatgctg tgcgatccga 540
 53 acgttaaacy cagcgaaatc gtcccgtgta ccaccgcgat gacgcggcg aaaattgtcg 600
 55 aagtggtttc gcatatgaac gtctcgaga tgatgatggc gatgcagaaa atgcgcgccc 660
 57 gccgcacccc gtcccagcag gcgcacgtca ccaacgtcaa agataaccgg gtacagattg 720
 59 ccgccgacgc cgcgcgaagg gcatggcgcg gatttgacga acaggaaacc accgttgccg 780
 61 tagcgcgcta tgcgcggttc aacgccatcg cgtctgtggt gggctcgag gtaggcgctc 840
 63 cggcgctgct gacgcagtgc tcgctggaag aagccaccga gctgaagctc ggcgatgctg 900
 65 gccacacctg ctacgcgaa accatctcgg tctacggcac cgagccggtc tttaccgacg 960
 67 gcgacgacac gccgtggctg aagggcttcc tcgcctcgtc ctacgcctct cgcgggctga 1020
 69 aaatgcgctt tacctccggc tccggctcgg aagtgcagat gggctacgcc gaaggcaa 1080

pp 1,4
 Does Not Comply
 Corrected Diskette Needed

Invalid <213> response. See item 10 on
 Error Summary Sheet

RAW SEQUENCE LISTING

DATE: 04/06/2006

PATENT APPLICATION: US/10/573,718

TIME: 11:00:12

Input Set : A:\08917-116US1 Seq List.txt

Output Set : N:\CRF4\04062006\J573718.raw

```

71 ccatgcttta tctggaagcg cgtgcatct acatcaccaa agccgcgggc gtacaggggc 1140
73 tgcaaaacgg ttccgtaagc tgcacggcg tgcggtctgc ggtgccttcc ggcattcgcg 1200
75 cgggtgctggc ggaaaacctg atctgttcgt cgtggtatct ggagtgcgcc tccagcaacg 1260
77 accagacctt caccactcc gatatgcgtc gtaccgcgcg cctgctgatg cagttcctgc 1320
79 cgggcaccga ctttatctcc tccggttatt ccgcggtgcc gaactacgac aacatgttcg 1380
81 ccggctccaa cgaagatgcc gaagactttg acgactacaa cgtcatccag cgcgacctga 1440
83 aggtggacgg cggtttgctg ccggttcgcg aagaggacgt catcgccatc cgtaacaaag 1500
85 ccgcccgcgc gctgcaggcc gtgtttgccg gaatggggct gccgccgatt accgatgaag 1560
87 aagttgaagc cgcgacctac gcccacgggt cgaaagatat gccggagcgc aacatcgctc 1620
89 aagacatcaa gttcgcccag gaaatcatca ataaaaaccg caacggctct gaagtgggta 1680
91 aagcgtggc gcagggcgga ttcaccgacg tggcccagga catgctcaac atccagaaag 1740
93 ctaagctgac cggggactac ctgcatacct ccgcgattat cgtcggcgac gggcaggtgc 1800
95 tgtcagcgt caacgacgtc aacgactatg ccggtccggc aacgggctat cgcctgcagg 1860
97 gcgaacgctg ggaagagatt aaaaacatcc ctggcgctct tgatcccaac gagattgatt 1920
99 aaggggtgag aaatggaaat taatgaaaaa ttgctgcgcc agataattga agacgtgctc 1980
101 agcgagatga agggcagcga taaaccggtc tcgtttaatg cgcggcggc ctccgcggcg 2040
103 ccccaggcca cgcgcgcgc cggcgacggc ttctgacgg aagtgggcga agcgcgtcag 2100
105 ggaaccagc aggaagcga gattatcgcc gtgcggccgg ctttcggcct ggcgcagacc 2160
107 gtcaatatcg tcggcatccc gcataagagc attttgcgcg aagtcattgc cggattgaa 2220
109 gaagaaggca ttaaggcgcg cgtgattcgc tgccttaaat cctccgacgt ggccttcgtc 2280
111 gccgttgaag gtaatcgct gagcggctcc ggcattctta tcggcatcca gtcgaaaggc 2340
113 accacggtga tccaccagca ggggctgccg ccgctctcta acctggagct gttcccgcag 2400
115 gcgcgctgc tgacctgga aacctatgc cagatcgga aaaacgcgc ccgctatgcg 2460
117 aaacgcgaat cgcgcgagcc ggtcccgcg ctgaatgacc agatggcgcg gccgaagtac 2520
119 caggcgaaat cggccatttt gcacattaaa gagaccaagt acgtggtgac gggcaaaac 2580
121 ccgcaggaa tgcgcgtggc gctttgataa aggataactc catgaatacc gacgcaattg 2640
123 aatcgatgg acgcgacgta ttgagcgca tgaacagcct gcaggcgag gcgcctgcgg 2700
125 cggctccggc ggctggcgcc gcgtcccgta gcgccagggt cagcgactac ccgctggcga 2760
127 acaagcacc ggaatgggtg aaaaaccgca ccaataaaac gctggacgac tttacgtgg 2820
129 aaaacgtgct gagcaataaa gtcaccgccc aggatatgcg tattaccgcg gaaacctgc 2880
131 gcttacaggc ttctattgcc aaagacgcgg gccgcgaccg gctggcgatg aacttcgagc 2940
133 gcgcgcgca gctgacgcg gtaccggacg atcgattct tgaaatctac aacgcctcc 3000
135 gccctatcg ctgcagaaa gaggagctgc tggcgatgc cgacgatctc gaaagcgcgt 3060
137 atcaggcgaa gatttgcgcc gctttcgctt gcgaagcggc cacgctgtac gtcgagcgta 3120
139 aaaaactcaa aggcgacgat taacttcatt ccgggcccgt cgacagatcc ccgggaattc 3180
141 atcgtgactg actgacgatc tgctcgcgc gtttcggtga tgacggtgaa aacctctgac 3240
143 acatgcagct ccgagagacg gtcacagctt gtctgtaagc ggatgccggg agcagacaag 3300
145 ccgctcaggg cgcgtcagcg ggtgttgccg ggtgtcgggg cgcagccatg acccagtcac 3360
147 gtagcgatag cggagtgtat aattcttgaa gacgaaaggg cctcgtgata cgctatttt 3420
149 tataggttaa tgcctgata ataattggtt cttagacgtc aggtggcact tttcggggaa 3480
151 atgtgcgcgg aacctctatt tgtttatttt tctaaataca ttcaaatac tatccgctca 3540
153 tgagacaata acctgataa atgcttcaat aatattgaaa aaggaagagt atgagtattc 3600
155 aacatttcog tgcgcctt attcctttt ttgcggcatt ttgccttct gttttgctc 3660
157 acccagaaac gctggtgaaa gtaaaagatg ctgaagatca gttgggtgca cgagtgggtt 3720
159 acatcgaact ggatctcaac agcggtaaga tccttgagag ttttcgccc gaagaacgtt 3780
161 ttccaatgat gagcactttt aaagtctctg tatgtgcgc ggtattatcc cgtgtgacg 3840
163 ccgggcaaga gcaactcggc cgcgcgatac actattctca gaatgacttg gttgagtact 3900
165 caccagtcac agaaaagcat cttacggatg gcatgacagt aagagaatta tgcagtgtcg 3960
167 ccataaccat gagtgataac actgcggcca acttacttct gacaacgac ggaggaccga 4020

```

RAW SEQUENCE LISTING

DATE: 04/06/2006

PATENT APPLICATION: US/10/573,718

TIME: 11:00:12

Input Set : A:\08917-116US1 Seq List.txt

Output Set: N:\CRF4\04062006\J573718.raw

169	aggagctaac	cgcttttttg	cacaacatgg	gggatcatgt	aactcgcctt	gacggttggg	4080
171	aaccggagct	gaatgaagcc	ataccaaacg	acgagcgtga	caccacgatg	cctgcagcaa	4140
173	tggcaacaac	gttgcgcaaa	ctattaactg	gcgaactact	tactctagct	tcccggcaac	4200
175	aattaataga	ctggatggag	gcggataaag	ttgcaggacc	acttctgcgc	tcggcccttc	4260
177	cggctggctg	gtttattgct	gataaatctg	gagccgggtga	gcgtgggtct	cgcggtatca	4320
179	ttgcagcact	ggggccagat	ggtaagccct	cccgtatcgt	agttatctac	acgacgggga	4380
181	gtcaggcaac	tatggatgaa	cgaaatagac	agatcgcgtga	gatagggtgcc	tactgatta	4440
183	agcattggta	actgtcagac	caagtttact	catatatact	ttagattgat	ttaaaacttc	4500
185	atttttaatt	taaaaggatc	taggtgaaga	tcctttttga	taatctcatg	acaaaaatcc	4560
187	cttaacgtga	gttttcgttc	cactgagcgt	cagaccccg	agaaaagatc	aaaggatcct	4620
189	cttgagatcc	tttttttctg	cgcgtaatct	gctgcttgca	aacaaaaaaa	ccaccgctac	4680
191	cagcggtggt	ttgtttgccg	gatcaagagc	taccaactct	ttttccgaag	gtaactggct	4740
193	tcagcagagc	gcagatacca	aatactgtcc	ttctagtgtg	gccgtagtta	ggccaccact	4800
195	tcaagaactc	tgtagcaccg	cctacatacc	tcgctctgct	aatcctgtta	ccagtggctg	4860
197	ctgccagtgg	cgataagtcg	tgtcttaccg	gggtggactc	aagacgatag	ttaccggata	4920
199	aggcgcagcg	gtcgggctga	acgggggggt	cgtgcacaca	gcccagcttg	gagcgaacga	4980
201	cctacaccga	actgagatac	ctacagcgtg	agctatgaga	aagcggccacg	cttcccgaa	5040
203	ggagaaaggc	ggacagggtat	ccggtaagcg	gcagggtcgg	aacaggagag	cgcacgagg	5100
205	agcttccagg	gggaaacgcc	tggatatctt	atagtcctgt	cgggtttcgc	cacctctgac	5160
207	ttgagcgtcg	atttttgtga	tgctcgtcag	gggggcggag	cctatggaaa	aacgccagca	5220
209	acgcggcctt	tttacggttc	ctggcctttt	gctggccttt	tgtccacatg	ttctttcctg	5280
211	cgttatcccc	tgattctgtg	gataaccgta	ttaccgcctt	tgagtgagct	gataccgctc	5340
213	gccgcagccg	aacgaccgag	cgcagcaggt	cagtgcgcga	ggaagcggaa	gagcgcctga	5400
215	tgcggtatct	tctccttacg	catctgtgcg	gtatttcaca	ccgcataaat	tccgacacca	5460
217	tcgaatggtg	caaaaccttt	cgcgggtatg	catgatagcg	cccgggaagag	agtcaattca	5520
219	gggtggtgaa	tgtgaaacca	gtaacgttat	acgatgtcgc	agagtatgcc	ggtgtctctt	5580
221	atcagaccgt	ttcccgcgtg	gtgaaccagg	ccagccacgt	ttctgcgaaa	acgcgggaaa	5640
223	aagtggaaag	ggcgatggcg	gagctgaatt	acattcccaa	ccgcgtggca	caacaactgg	5700
225	cgggcaaaaca	gtcggtgctg	attggcgttg	ccacctccag	tctggccctg	cacgcgcgt	5760
227	cgcgaattgt	cgcggcgatt	aaatctcgcg	ccgatcaact	gggtgccagc	gtggtggtgt	5820
229	cgatggtaga	acgaagcggc	gtcgaagcct	gtaagcggc	gggtgcacaat	cttctcgcgc	5880
231	aacgcgtcag	tgggctgata	attaactatc	cgtggatga	ccaggatgcc	attgctgtgg	5940
233	aagctgcctg	cactaatgtt	ccggcgttat	ttcttgatgt	ctctgaccag	acacccatca	6000
235	acagtattat	tttctcccat	gaagacggta	cgcgactggg	cgtggagcat	ctggtcgcac	6060
237	tgggtcacca	gcaaatcgcg	ctgttagcgg	gcccattaa	ttctgtctcg	gcgcgtctgc	6120
239	gtctggctgg	ctggcataaa	tatctcactc	gcaatcaaat	tcagccgata	gcggaacggg	6180
241	aaggcgactg	gagtgccatg	tccggttttc	aacaaacct	gcaaatgctg	aatgagggca	6240
243	tcgttcccac	tgcgatgctg	gttgccaacg	atcagatggc	gctgggcgca	atgcgcgcca	6300
245	ttaccgagtc	cgggctgcgc	gttgggtgcg	atatctcgg	agtgggatac	gacgataccg	6360
247	aagacagctc	atgttatatc	ccgccgttaa	ccaccatcaa	acaggatttt	cgcctgctgg	6420
249	ggcaaacacc	cgtggaccgc	ttgctgcaac	tctctcagg	ccaggcgggtg	aagggaatc	6480
251	agctgttgcc	cgtctcactg	gtgaaaagaa	aaaccacct	ggcgcccaat	acgcaaacg	6540
253	cctctccccg	cgcgttggcc	gattcattaa	tgcagctggc	acgacagggt	tcccgactgg	6600
255	aaagcgggga	gtgagcgcaa	cgcaattaat	gtgagttagc	tactcatta	ggcaccacag	6660
257	gctttacact	ttatgcttcc	ggctcgtatg	ttgtgtggaa	ttgtgagcgg	ataacaattt	6720
259	cacacaggaa	acagctatga	ccatgattac	ggattcactg	gccgtcgttt	tacaacgtcg	6780
261	tgactgggaa	aacctggcg	ttacccaact	taatgcctt	gcagcacatc	cccctttcgc	6840
263	cagctggcgt	aatagcgaag	aggcccgcac	cgatgcctt	tcccaacagt	tgcgcagcct	6900
265	gaatggcgaa	tggcgctttg	cctggttttc	ggcaccagaa	gcggtgccgg	aaagctggct	6960

RAW SEQUENCE LISTING

DATE: 04/06/2006

PATENT APPLICATION: US/10/573,718

TIME: 11:00:12

Input Set : A:\08917-116US1 Seq List.txt

Output Set : N:\CRF4\04062006\J573718.raw

267 ggagtgcgat cttcctgagg ccgatactgt cgtcgtcccc tcaaactggc agatgcacgg 7020
 269 ttacgatgcg cccatctaca ccaacgtaac ctatcccatt acggtcaatc cgccgtttgt 7080
 271 tcccacggag aatccgacgg gttgttactc gctcacattt aatgttgatg aaagctgggt 7140
 273 acaggaaggc cagacgcgaa ttatttttga tggcgttgga att 7183
 276 <210> SEQ ID NO: 2
 277 <211> LENGTH: 6607
 278 <212> TYPE: DNA
 279 <213> ORGANISM: plasmid p15A
 281 <400> SEQUENCE: 2

same eur is
sequence 3-4,
for

282 gaattaattc tggcgaatcc tctgaccagc cagaaaacga cctttctgtg gtgaaaccgg 60
 284 atgctgcaat tcagagcgcc agcaagtggg ggacagcaga agacctgacc gccgcagagt 120
 286 ggtggtttga catggtgaag actatcgac catcagccag aaaaccgaat tttgctgggt 180
 288 gggctaacga tatccgcctg atgctggaac gtgacggacg taaccaccgc gacatgtgtg 240
 290 tgctgttccg ctgggcatgc caggacaact tctggtccgg taacgtgctg agcccggcca 300
 292 agcttactcc ccatccccct gttgacaatt aatcatcggc tctgataatg tgtggaattg 360
 294 tgagcggata acaatttcac acaggaaaca ggatcctagg aggttttaac atatgcgata 420
 296 tatagctggc attgatatcg gcaactcatc gacggaagtc gccctggcga cctggatga 480
 298 ggctggcgcg ctgacgatca cccacagcgc gctggcggaa accaccggaa tcaaaggcac 540
 300 gttgcgtaac gtgttcggga ttcaggaggg gctcgccctc gtcgccagag gcgccgggat 600
 302 cgccgtcagc gatatttcgc tcatccgcgt caacgaagcg acgccggtga ttggcgatgt 660
 304 ggcgatggaa accattaccg aaaccatcat caccgaatcg accatgatcg gccataaccc 720
 306 gaaaacgccc ggcggcgcgg ggcttggcac aggcataccc attacgccgc aggagctgct 780
 308 aaccgcgccg gcggacgcgc cctatatact ggtggtgtcg tggcggttcg attttgccga 840
 310 tatcgccagc gtgattaacg cttccctgcg cgccgggtat cagattaccg gcgtcatttt 900
 312 acagcgcgac gatggcgtgc tggtcagcaa ccggctggaa aaaccgctgc cgatcggtga 960
 314 cgaagtgtct tacatcgacc gcattccgct ggggatgtct gcggcgattg aggtcgccgt 1020
 316 tccggggaag gtcatcgaaa cctctcttaa ccttacggc atcgccaccg tctttaacct 1080
 318 cagccccgag gagacgaaga acatcgctcc gatggcccgg gcgctgattg gcaaccgttc 1140
 320 cgccgtggtg gtcaaaacgc catccggcga cgtcaaaagc cgccgcgatac ccgccggtaa 1200
 322 tcttgagctg ctggcccagg gccgtagcgt gcgctggat gtggccgccg gcgccgaagc 1260
 324 catcatgaaa gcggtcgacg gctgcggcag gctcgataac gtcaccggcg aatccggcac 1320
 326 caatatcggc ggcattgctg aacacgtgcg ccagaccatg gccgagctga ccaacaagcc 1380
 328 gagcagcgaa atattttattc aggacctgct ggccgttgat acctcggtac cggtgagcgt 1440
 330 taccggcggt ctggccgggg agttctcgct ggagcaggcc gtgggcatcg cctcgatggt 1500
 332 gaaatcggat cgctgcaga tggcaatgat cgcccgcgaa atcgagcaga agctcaatat 1560
 334 cgacgtgcag atcggcggcg cagaggccga agccgccatc ctggggggcg tgaccacgcc 1620
 336 gggcaccacc cgaccgctgg cgatcctcga cctcggcgcg ggctccaccg atgcctccat 1680
 338 catcaacccc aaaggcgaca tcatcgccac ccatctcgcc ggccgaggcg acatggtgac 1740
 340 gatgattatt gcccgcgagc tggggctgga agaccgctat ctggcggaag agatcaagaa 1800
 342 gtaccgctg gctaagggtg aaagcctgtt ccatttaacg cacgaggacg gcagcgtgca 1860
 344 gttctttctc acgccgctgc cgcccgccgt gttcgccgcg gtctgctggt tgaaagcgga 1920
 346 cgaactggtg ccgctgcccg gcgatttagc gctggaaaaa gtgcgcgcca ttcgccgcag 1980
 348 cgccaaagag cgggtctttg tcaccaacgc cctgcgcgcg ctgctgcagg tcagccccac 2040
 350 cggcaacatt cgcgatattc cgttcgtggt gctggtcggc ggttcgtcgc tggatttcga 2100
 352 agtcccgcag ctggtcaccg atgcgtggc gcactaccg ctggttgccg gacggggaaa 2160
 354 tattcgcggc agcgagggcc cccgaaacgc ggtggccacc ggctcgattc tctcctggca 2220
 356 taaggagttt gcgcatgaac ggtaatcaca gcgccccggc catcgcgatc gccgtcatcg 2280
 358 acggctgcga cggcctgtgg cgcgaagtgc tgctgggtat cgaagaggaa ggtatccctt 2340
 360 tccggctcca gcatcaccgc gccggagagg tctggtgacg cgccctggcag gcggcgcgca 2400

RAW SEQUENCE LISTING

DATE: 04/06/2006

PATENT APPLICATION: US/10/573,718

TIME: 11:00:12

Input Set : A:\08917-116US1 Seq List.txt

Output Set: N:\CRF4\04062006\J573718.raw

362	gctcgccgct	gctggtgggc	atcgccctgcg	accgccatat	gctggtcgtg	cactacaaga	2460
364	atttaccgcg	atcggcgcgcg	ctttttacgc	tgatgcatca	tcaggacagt	caggcccatc	2520
366	gcaacaccgg	taataacgcg	gcacggctgg	tcaaggggat	ccctttccgg	gatctgaata	2580
368	gcgaagcaac	aggagaacag	caggatgaat	aagatctcgg	gtagcccggc	taatgagcgg	2640
370	gctttttttt	atgagaatta	caacttatat	cgtatggggc	tgacttcagg	tgctacattt	2700
372	gaagagataa	attgacttga	aatctagaaa	tattttatct	gattaataag	atgatcttct	2760
374	tgagatcggt	ttggtctgcg	cgtaatctct	tgctctgaaa	acgaaaaaac	cgctttgcag	2820
376	ggcggttttt	cgaaggttct	ctgagctacc	aactctttga	accgaggtaa	ctggcttgga	2880
378	ggagcgcagt	cacaaaaact	tgctctttca	gttttagcct	aaccggcgca	tgacttcaag	2940
380	actaactcct	ctaaatcaat	taccagtggc	tgctgccagt	ggtgcttttg	catgtctttc	3000
382	cgggttgga	tcaagacgat	agttaccgga	taaggcgagc	cggtcggact	gaacgggggg	3060
384	ttcgtgcata	cagtcagct	tggagcgaac	tgctaccgg	gaactgagtg	tcaggcgtgg	3120
386	aatgagacaa	acgcggccat	aacagcggaa	tgacaccgg	aaaccgaaag	gcaggaaacag	3180
388	gagagcgcac	gagggagccg	ccagggggaa	acgcctggta	tctttatagt	cctgtcgggt	3240
390	ttcgccacca	ctgatttgag	cgtcagattt	cgtgatgctt	gtcagggggg	cggagcctat	3300
392	ggaaaaacgg	ctttgcgcgcg	gcccctctac	ttccctgtta	agtatcttcc	tggcatcttc	3360
394	caggaaatct	ccgccccggt	cgtaagccat	ttccgctcgc	cgcagtcgaa	cgaccgagcg	3420
396	tagcgagtca	gtgagcgagg	aagcgggaata	tatcctgtat	cacatattct	gctgacgcac	3480
398	cgggtgcagcc	ttttttctcc	tgccacatga	agcacttcac	tgacaccctc	atcagtgcca	3540
400	acatagtaag	ccagtataca	ctccgctagc	gctgatgtcc	ggcgggtgctt	ttgccgttac	3600
402	gcaccacccc	gtcagtagct	gaacaggagg	gacagctgat	agaaacagaa	gccactggag	3660
404	cacctcaaaa	acaccatcat	acactaaatc	agtaagttgg	cagcatcacc	cgacgcactt	3720
406	tgcgccgaat	aaatacctgt	gacggaagat	cacttcgcag	aataaataaa	tcttggtgtc	3780
408	cctgttgata	ccgggaagcc	ctgggccaac	ttttggcgaa	aatgagacgt	tgatcggcac	3840
410	gtaagagggt	ccaactttca	ccataatgaa	ataagatcac	taccgggcgt	attttttgag	3900
412	ttatcgagat	tttcaggagc	taagggaagct	aaaatggaga	aaaaaatcac	tggaataacc	3960
414	accgttgata	tatcccaatg	gcacgtgaaa	gaacattttg	aggcatttca	gtcagttgct	4020
416	caatgtacct	ataaccagac	cgttcagctg	gatattacgg	cctttttaaa	gaccgtaaaag	4080
418	aaaaataaag	acaagtttta	tccggccttt	attcacattc	ttgcccgcct	gatgaatgct	4140
420	catccggaat	ttcgtatggc	aatgaaagac	ggtgagctgg	tgatatggga	tagtgttcac	4200
422	ccttgttaca	ccgtttttcca	tgagcaaaact	gaaacgtttt	catcgctctg	gagtgaatac	4260
424	cacgacgatt	tccggcagtt	tctacacata	tattcgcaag	atgtggcggtg	ttacggtgaa	4320
426	aacctggcct	atttccttaa	agggtttatt	gagaatatgt	ttttcgtctc	agccaatccc	4380
428	tgggtgagtt	tcaccagttt	tgatttaaac	gtggccaata	tggaacaactt	cttcgcccc	4440
430	gttttcacca	tgggcaaata	ttatacgcaa	ggcgacaagg	tgctgatgcc	gctggcgatt	4500
432	caggttcatc	atgccgtctg	tgatggcttc	catgtcggca	gaatgcttaa	tgaattacaa	4560
434	cagtactgcg	atgagtggca	gggcggggcg	taattttttt	aaggcagtta	ttggtgccct	4620
436	taaacgcctg	gtgctacgcc	tgaataagtg	ataataagcg	gatgaatggc	agaaattcga	4680
438	aagcaaattc	gaccgggtcg	tccgttcagg	gcagggtcgt	taaataagccg	cttatgtcta	4740
440	ttgctggttt	accggtttat	tgactaccgg	aagcagtggtg	accgtgtgct	tctcaaatgc	4800
442	ctgaggccag	tttgctcagg	ctctccccgt	ggaggtaata	attgacgata	tgatcattta	4860
444	ttctgcctcc	caaagcaatt	ccgacaccat	cgaatggtgc	aaaacctttc	gcggtatggc	4920
446	atgatagcgc	ccggaagaga	gtcaattcag	ggtggtgaat	gtgaaaccag	taacgttata	4980
448	cgatgtcgca	gagtatgccg	gtgtctctta	tcagaccgtt	tcccgcgtgg	tgaaccaggc	5040
450	cagccacggt	tctgcgaaaa	cgcgggaaaa	agtggaaagc	gcgatggcgg	agctgaatta	5100
452	cattcccaac	cgcgtggcac	aacaactggc	gggcaaacag	tcgttgctga	ttggcggtgc	5160
454	cacctccagt	ctggccctgc	acgcgcgcgc	gcaaattgtc	gcggcgatta	aatctcgcgc	5220
456	cgatcaactg	ggtgccagcg	tggtggtgtc	gatggtagaa	cgaagcggcg	tcgaagcctg	5280
458	taaagcggcg	gtgcacaatc	ttctcgcgca	acgcgtcagt	gggctgatca	ttaactatcc	5340

VERIFICATION SUMMARY

DATE: 04/06/2006

PATENT APPLICATION: US/10/573,718

TIME: 11:00:13

Input Set : A:\08917-116US1 Seq List.txt

Output Set: N:\CRF4\04062006\J573718.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application No

L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date